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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Cunningham et al.

Attorney Docket No.: STUF155/S03-185

Application No.: 10/823,979

Examiner: Vargas, Dixomara

Filed: April 13, 2004

Group: 2859

Title: NON-LINEAR SYMMETRIC SWEEP  
SPECTRAL-SPATIAL RF PULSES FOR MR  
SPECTROSCOPY

Confirmation No.: 5327

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on June 16, 2005 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

*Laura M. Dean*  
Laura M. Dean

**AMENDMENT A TRANSMITTAL**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

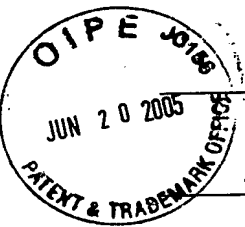
	Claims After Amendment		Highest Previously Paid For	Present Extra	Small Entity Rate Fee	Large Entity Rate Fee
Total Claims	15	MINUS	20	0	x 25 = 0	x 50 = 0
Independent Claims	1	MINUS	3	0	x 100 = 0	x 200 = 0
Multiple Dependent Claim Present and Fee Not Previously Paid					\$180.00	\$360.00
Total					\$0	\$0

- ☒ Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 500388.
- ☒ Please charge the required fees, or any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 500388 (Order No. STFUP155).

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

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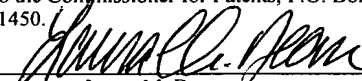
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Laura M. Dean

**AMENDMENT A**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed May 16, 2005, please amend the above-identified patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begin on page 2 of this papers.

**Remarks/Arguments** begin on page 4 of this paper.